HRET HIIN VAE Sprint Summary
February 5, 2019
11:00 a.m. – 12:00 p.m. CT
Welcome and Introductions
Kavita Bhat, MD, MPH
Program Manager, HRET
Hello, My Name is…

- Name
- Hospital/State Hospital Association
- City, State
AGENDA

- Welcome and Introductions
- VAE Sprint Overview
- Sprint Discoveries: Successes, Challenges, and Lessons Learned
- Questions and Answers
- Bring it Home
Sprint Overview

Kavita Bhat, MD, MPH
Program Manager, HRET

Maryanne Whitney, RN, CNS, MSN
Improvement Advisor, Cynosure
Why VAE?

- Mechanical ventilation affects 800,000 hospitalized patients in the United States each year.
- Five to 10 percent of mechanically ventilated patients develop a ventilator-associated event (VAE).
Harm from Mechanical Ventilation

- Historically, ventilator-associated pneumonia (VAP) was considered one of the most lethal healthcare-associated infections
- 35% mortality rate for ventilated patients
  - 24% for patients 15–19 years
  - 60% for patients 85 years and older
Not Just Mortality

**Short-term**
- Increase in complications
  - VAP
  - Sepsis
  - Acute respiratory distress syndrome (ARDS)
  - Pulmonary embolism
  - Barotrauma
  - Pulmonary edema
- Increase in health care costs
- Increase in length of stay

**Long-term**
- Slower overall recovery time
- Debilitating physical disabilities
- Lingering cognitive dysfunction
- Psychiatric issues,
  - anxiety,
  - depression, and
  - post-traumatic stress disorder
Most VAE’s arise from:

- ARDS
- **Atelectasis**
- **Pneumonia**
- Pulmonary edema

So how do we prevent these?
The largest volume of VAE!
Why Are We Here?

12 States

25 Hospitals

581 Preventable VAE Harms!
from 8/2018 to 9/2018
What were our goals?

- Increase the awareness of the importance of identifying and reporting all VAEs
- Utilize root cause analysis tools to assess VAE practices
- Define and utilize best practices for process improvements
- Maintain and Accelerate reduction in VAE harms
- Create peer to peer collaboration among states and hospitals
What were our tools?

### VAE PROCESS IMPROVEMENT DISCOVERY TOOL

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What were our tools?

VAE COACHING GUIDE

State Partner & Hospital 1:1 Coaching using VAE coaching guide

- Barriers/Concerns
- Champions
- Resources
- Action Plan
  - Aims
  - Strategies/Tactics
  - Deadlines
  - Evaluation
What were the expectations?

**Hospital Expectations**
- Attend all events
- Complete pre-assessment and post assessment
- Utilize the VAE Process Discovery Tool
- Participate in 1 coaching session with their State Partner

**State Partner Expectations**
- Attend all events
- Have a 1:1 Coaching Session with each participating hospital
- Submit Coaching Guide and all Process Discovery Tools to HRET HIIN
VAE Discoveries: Successes, Challenges, and Lessons Learned

Kavita Bhat, MD, MPH
Program Manager, HRET
Maryanne Whitney, RN, CNS, MSN
Steve Tremain, MD, FACPE
Improvement Advisors, Cynosure
Martha Hayward
PFE Subject Matter Expert, HRET
VAE Sprint Discoveries

KENTUCKY
VAE Sprint Discoveries

LOUISIANA
VAE Sprint Discoveries

INDIANA

Welcome to Indiana
Crossroads of America
VAE Sprint Discoveries

MISSOURI
VAE Sprint Discoveries

ALABAMA

Welcome to Alabama the Beautiful
VAE Sprint Discoveries

TENNESSEE
VAE Sprint Discoveries

ARIZONA
VAE Sprint Discoveries

ARKANSAS
WEST VIRGINIA
Reflections

HMM
VAE....
Measurement
Sustainability
Questions?
Upcoming Event: PVAP Trainings

- **HRET HIIN | PVAP Training #1**
  February 15, 2019 | 11:00 a.m. – 11:30 a.m. CT | Register [here](#).

- **HRET HIIN | PVAP Training #2**
  February 15, 2019 | 11:00 a.m. – 11:30 a.m. CT | Register [here](#).
Continuing Education Credits

• Launch the evaluation link in the bottom left hand corner of your screen.
• If viewing as a group, each viewer will need to submit separately through the CE link.
thank you!